Mission Scientist Report for 8 June 2013

Submitted by wpetersen on Sat, 06/08/2013 - 20:39
Date:
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Discussion:

Dry during night and during the day. Short wave approaching from the west initiated showers/convection in Nebraska/W. Iowa area early. The precipitation became a large patch of broken to solid stratiform with some embedded convection (one interesting linear feature embedded that looked like a wave of some kind)and moved into 100 km range of NPOL around 2100 UTC. There were also patches of precip that formed over Turkey Basin, but these were light and located out of a useful range for doing sectors with NPOL (XPOLs 2 and 4 shoudl have sampled).

The NPOL was down from yesterday evening and through the night until 1654 UTC this morning. The H-switch was stuck out of position and IRIS could not get the appropriate status bit to enable it to control the transmitter radiate. After a fair bit of head scratching, Mike pulled the switch can head and discovered the problem (see engineering log). Due to the "stickiness" of the switch for ALT mode, it is not clear that will go forward with ALT scanning this trip. On the positive side, the SWR's were quite robust (checked after switch was fixed)- 1.12-1.13 or so- which is very good.

Most of the other instruments operated nominally. Still a comms problem with several of the 2DVDs, but it was being worked.

With approach of convection and more stratiform tonight with a relatively strong short wave, should be a good event for varied scanning patterns. We also requested a GOES-R RSO to start at 0000 UTC and run till 1200 UTC. So, that should work out well (assuming it was approved). If forecast is correct, the coming event should dump 1" plus on the the domain.

WAP